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NAUTICAL ENGINEERING**
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Reuel Roberts

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Bruce Kirstein

CIVIL ENGINEERING
Alfred Vermiglio

ELECTRICAL ENGINEERING
Forrest A. Green

GENERAL ENGINEERING
Ronald Kessner

MECHANICAL ENGINEERING
Dan Danko

**MINING, METALLURGY,
AND PETROLEUM ENGINEERING**
Les Kramer

NAVAL R.O.T.C.
Fred Bergner

**THEORETICAL AND APPLIED
MECHANICS**
Michael L. Roller

PHYSICS
Bill Edelstein

12 March 1965

WELCOME TO OPEN HOUSE

On behalf of the staff of the College of Engineering, I add my welcome to that of the students for our visitors to the 1965 Open House of the College of Engineering. This is an activity which is planned and managed by our student body, supported by not only the faculty of the College of Engineering but the entire University. We are proud of our College, our University, and our profession, and want you to know more about them. Engineering has been officially defined as "the profession in which the knowledge of the mathematical and natural sciences gained by study, experience and practice is applied with judgment to develop ways to utilize, economically, the materials and forces of nature for the benefit of mankind." This definition is quite a mouthful, but every word in it has an important meaning. The displays and information centers have been designed with particular attention to telling high school students more about engineers and engineering, particularly the program of the University of Illinois for preparing its students to enter the profession. We are eager to answer your questions, either during the time you are here on the campus, or if you wish to write to us at some later date. Perhaps you will learn from your visit something about the excitement and the sense of mission which motivates us.

W. L. Everitt
Dean



1965 ENGINEERING OPEN HOUSE

March 12, 10 AM to 10 PM · March 13, 9 AM to 5 PM
UNIVERSITY OF ILLINOIS



ILLINI UNION

Open House Central

ELECTRICAL ENGINEERING BUILDING

R. F. Plasma Torch
Sonar Demonstration
G-20 Computer
U. of I. Train
Integrated Circuits
Radio Controlled Ball
Magnetic Cannon
Goubau Beam

ARNOLD AIR SOCIETY ENGINEERING OPPORTUNITIES

Air Force R.O.T.C. Systems Display

TALBOT LABORATORY

CIVIL ENGINEERING

Quick Sand Demonstration
Soil Sampling Devices
Structure Settlement

THEORETICAL AND APPLIED MECHANICS

Fluid Mechanics and Hydraulics
Materials Testing
Flow and Fracture of Metals
Stress Analysis

AGRICULTURAL ENGINEERING

Model of a Watershed
Strain Gauged Truss
Machinery Display and Demonstration
Farmstead Automation

DEPARTMENT OF COMPUTER SCIENCE

FOUNDRY AND WOODSHOP

CIVIL ENGINEERING

Surveying Display

MECHANICAL ENGINEERING

Pouring of Aluminum Souvenirs

AERONAUTICAL ENGINEERING

LABORATORY B

Plasma Jet
Propane Rocket
Subsonic Wind Tunnel with Wing
Orbits and Trajectories
Crypto Compressor
Industrial Displays

ENGINEERING RESEARCH LABORATORY

7094 Computer

MECHANICAL ENGINEERING

LABORATORY

Equipment Display
Vanishing Liquid

TRANSPORTATION BUILDING

GENERAL ENGINEERING

Trane Corporation Sales Exhibit
Drawings by Computer
Hospitality Room
Counseling Service
International Harvester Management Exhibit

AERONAUTICAL ENGINEERING

LABORATORY A

Subsonic Wind Tunnel

CERAMICS BUILDING

Frit Pots in Operation
Pushing Spark Plugs Through Steel
Glass and Enamel Products
Ceramic Photocell

MECHANICAL ENGINEERING BUILDING

MECHANICAL ENGINEERING

Internal Combustion Engine
Welding Equipment
Machine Design
Analog Computer

NAVAL R.O.T.C.

Models of Phantom II, Mercury, Gemini

ARMY CORPS OF ENGINEERS DISPLAY

PHYSICS BUILDING

PHYSICS

Electron Optics
Teaching Vacuum Techniques

JUNIOR ENGINEERING AND TECHNICAL

SOCIETY EXHIBITS

NATIONAL SCIENCE FOUNDATION BOOTH

EAST CHEMISTRY BUILDING

Chemical Magic Show
Products
Instrumentation
Chemical Pop

METALLURGY AND MINING BUILDING

Powder Metallurgy
Bubble Raft
Heat Treatment of Ferrous Materials
A.S.M. Photo-Micrograph
Curriculum Information Booth

CIVIL ENGINEERING BUILDING

CIVIL ENGINEERING

Computer Game
Construction of Assembly Hall

HYDRAULICS ENGINEERING

Air Cushion Craft
Electronically Controlled Rain
Chi Epsilon Display

SANITARY ENGINEERING

Role of Sanitary Engineering in the Space Age
Conversion of Organic Waste to Useful Energy

STRUCTURAL ENGINEERING

TRAFFIC ENGINEERING

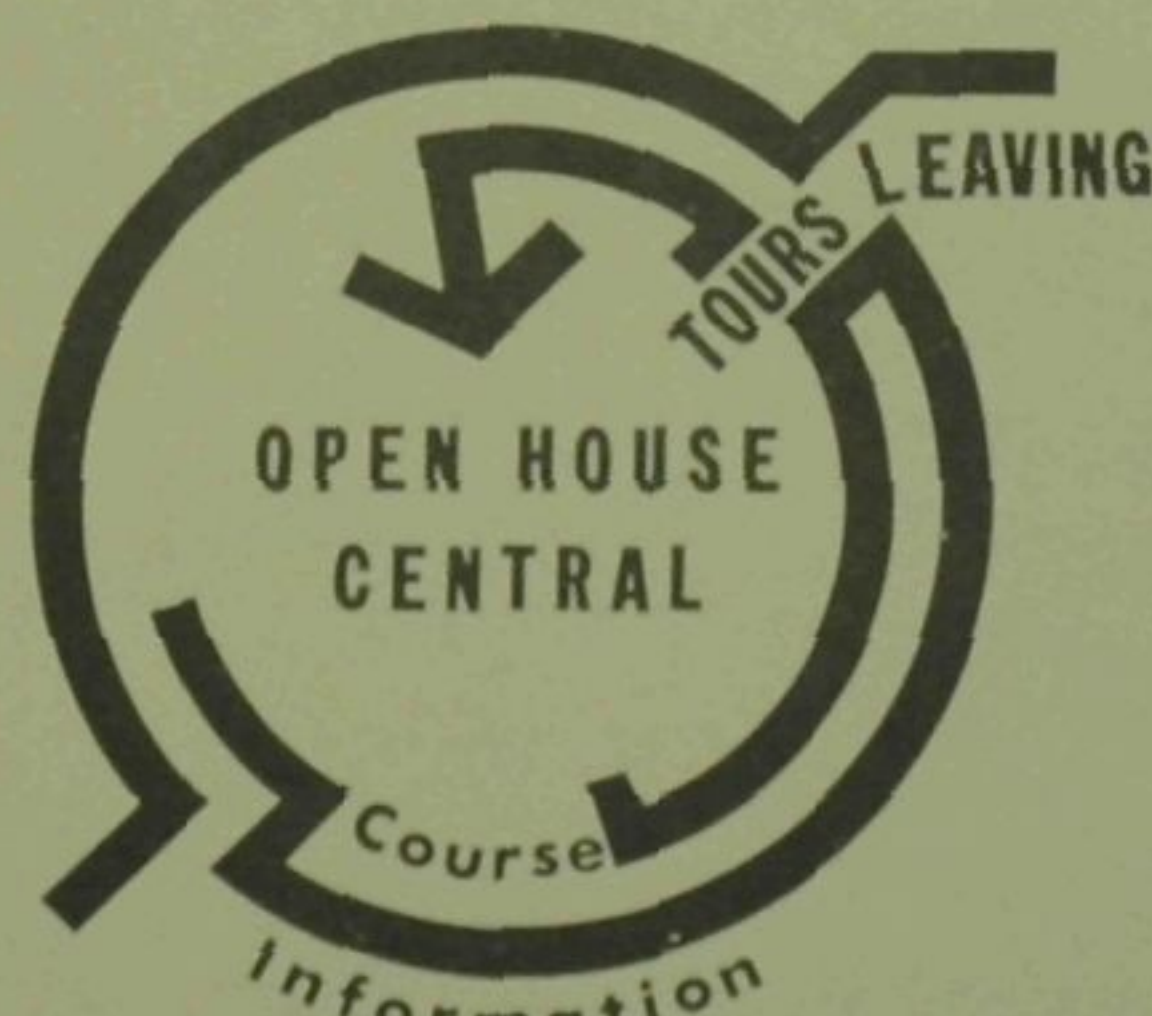
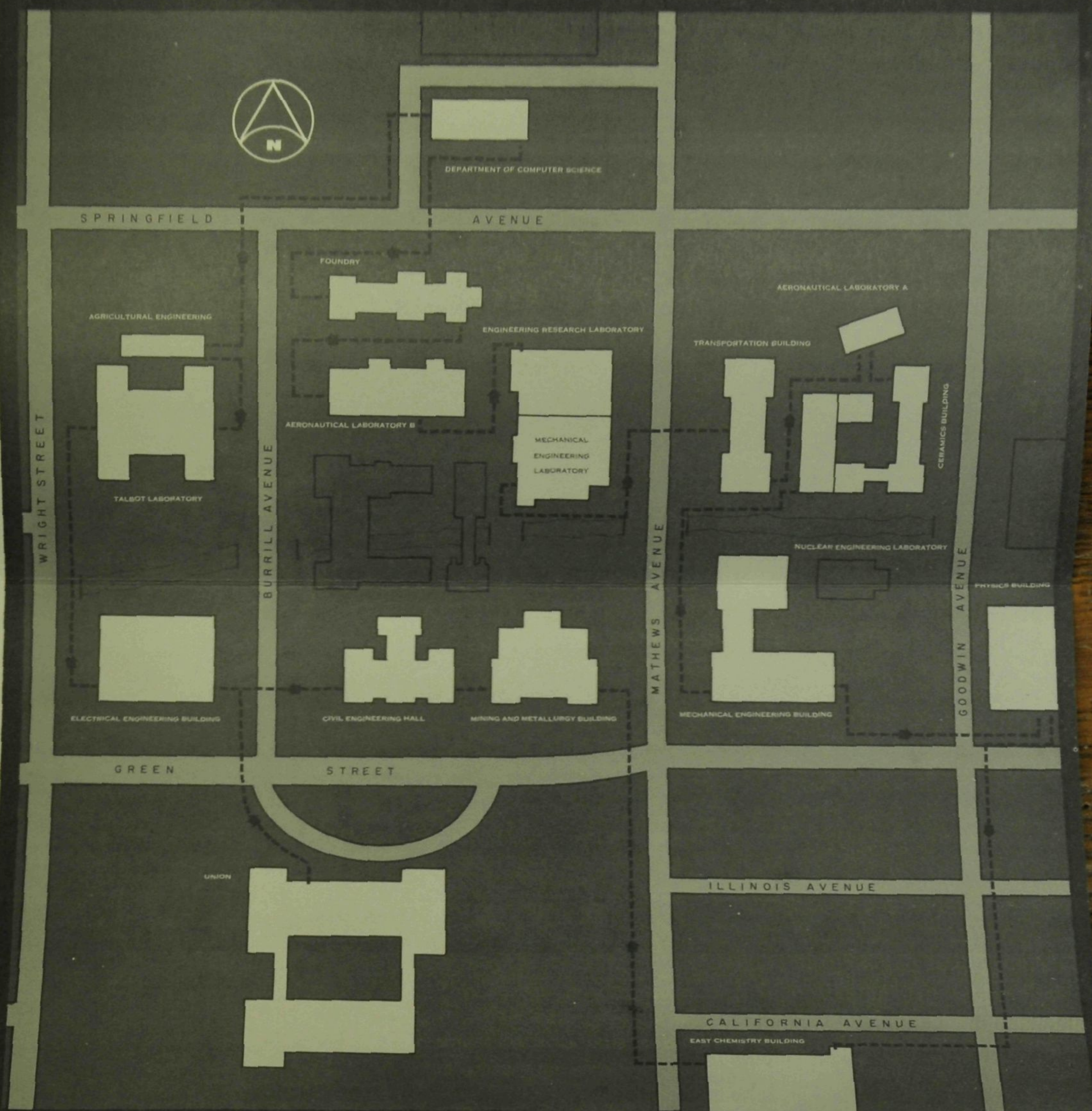
Radar Used in Traffic Engineering
C. C. Wiley License Plate Collection
Master Traffic Signal Control

RAILWAY ENGINEERING

HIGHWAY ENGINEERING

Model of Chicago Expressway System
Highway Model Test Track

ARMY DISPLAY ON MATHEWS STREET



OPEN HOUSE CENTRAL

ROOM 200, ILLINI UNION

- CURRICULUM INFORMATION
- REQUIREMENT INFORMATION
- PROPOSED COURSES OF STUDY
- MEET FACULTY



JETS

The Junior Engineering and Technical Society is holding its 13th Annual Exposition and Conference for the Mid-west Region and are displaying in the Physics Building.



Engineering Council is sponsoring the St. Pat's Ball, Saturday, March 13, from 9 PM to 1 AM in the Illini Union, Rooms A, B, and C. Music will be provided by Bobby Christian and his 16-piece orchestra.

Special tours of U. of I. Engineering research facilities will leave from Open House Central (Room 200, Illini Union).